Recombinant human Frizzled-4 protein

Catalog Number: ATGP3645

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
37-222aa

UniProt No.
Q9ULV1

NCBI Accession No.
NP_036325

Alternative Names
Frizzled-4, FZD4, CD344, EVR1, FEVR, Fz-4, Fz4, FZD4S, FzE4, GPCR, hFz4

PRODUCT SPECIFICATION

Molecular Weight
48.3 kDa (428aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
hIgG-His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
FZD4, also known as frizzled-4, is a 7- transmembrane glycoprotein of the Frizzled family within the G-protein coupled receptor superfamily. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. This pathways seem to involve interactions with G-proteins. It is involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in

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differentiated tissues. Recombinant human FZD4, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

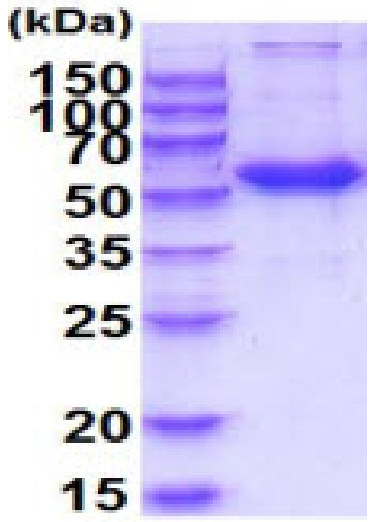
ADPFGDEEER RCDPIRISMC QNLGYNVTKM PNLVGHELQT DAELQLTTFT PLIQYGCSSQ LQFFLCSVYV PMCTEKINIP IGPCGGMCLS VKRRCEPVLK EFGFAWPESL NCSKFPPQND HNHMCMEGPG DEEVPLPHKT PIQPGEECHS VGTNSDQYIW VKRSLNCVLK CGYDAGLYSR SAKEFTDIWL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH

General References

Kirikoshi H., et al. (1999) Biochem Biophys Res Commun. 264:955-961.
Xu Q., et al. (2004) Cell. 116:883-895.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.